AMENDMENTS TO THE ABSTRACT

Please substitute the following paragraph(s) for the abstract now appearing in the currently filed specification:

A CPU 14 drives the CCD2 by switching its driving mode between an omission readout mode and a summation readout mode. Summing the signal charge of pixels in the summation readout mode offers an increased sensitivity. The omission readout mode reduces smear. The summation readout mode calls for reading out to the vertical transfer paths all red pixel signal charges of the two-color filters aligned along each vertical transfer path. While charge readout voltages are applied to a specific system of charge readout electrode systems, vertical transfer is performed to sum pixels of a like color on each vertical transfer path. Charges of the green pixels are read to the vertical transfer paths so as not to be mixed with the red signal charges. By combining vertical transfer with selective readout, pixels of the respective same colors are summed on the vertical transfer paths or the horizontal transfer path.